

# WACKER® SILICONE PASTE P

## SILICONE PASTE

### Product description

WACKER® SILICONE PASTE P is a translucent, vaseline-like, relatively stiff, waterrepellent paste. WACKER® SILICONE PASTE P becomes softer when subjected to shear stress or other mechanical stress such as kneading, which in many instances makes processing easier.

The pasty consistency is little affected by changes in temperature. The components of Paste P are on the positive lists of the following Regulations for food contact: Regulation (EU) No. 10/2011, Recommendation XV. Silicones of the BfR (Federal Institute for Risk Assessment) and the FDA Code of Federal Regulations Title 21 §175.3570 Lubricants with Incidental Food Contact.

### Application

Assembly aid and lubricant for elastomers, especially O-rings.

WACKER® SILICONE PASTE P is easy to apply. There is no dripping as when using oil. Larger parts are greased with the pure paste by hand or with a brush; smaller parts in large quantities are put into a plastic bag with some paste and kneaded until the paste has been distributed over their surfaces.

Silicon pastes have only a slight swelling effect on most organic elastomers. For lubricating purposes and as assembly aid for materials with critical swelling characteristics we would, however, recommend using silicone product WACKER®POWERSIL® PASTE AP,

which is especially designed for causing low swelling of bordering elastomers.

Heat-resistance release agent for

- extruder die rings
- slightly porous surfaces of moulds for demoulding rubber and plastics mouldings and cast resin parts
- heat-sealing instruments such as used for Packaging Film, where a thin film of WACKER® SILICONE PASTE P applied to the welding bars prevents sticking

For detailed information, refer to brochures on [www.wacker.com](http://www.wacker.com).

### Storage

The 'Best use before end' date of each batch is shown on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

### Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

**Product data**

<b>Typical general characteristics</b>	<b>Inspection Method</b>	<b>Value</b>
Appearance		colorless, opaque
Density at 25 °C	ISO 1183-1 A	1 g/cm <sup>3</sup>
Consistency a) unworked penetration	DIN ISO 2137	180 - 220 1/10 mm
Consistency b) worked penetration (60 strokes)	DIN ISO 2137	250 1/10 mm
Solidifying point		approx. -45 °C
Operating temperature range		- 40 to + 200 °C
Volatiles	FED-STD 791 M 321; 30h / 200 °C	max. 2 %
Bleeding	FED-STD 791 M 321; 30h / 200 °C	max. 8 %
Dielectric strength	IEC 60243	20 kV/mm
Dielectric Constant (50 Hz)	IEC 60250	2,8 ε <sub>r</sub>
Dissipation factor (50 Hz)	IEC 60250	0,0005
Insoluble in		water, methanol, ethanol, glycerol, glycol
Soluble or dispersible in		methylene chloride, benzine, white spirit, petroleum ether, toluene, kerosene, ethyl acetate etc.

These figures are only intended as a guide and should not be used in preparing specifications.

The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001  
  
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For technical, quality, or product safety questions, please contact:

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